

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Juho Jumppanen, et al.

Examiner:

Unassigned

Serial No:

10/670,094

Art Unit:

Unassigned

Filed:

September 24, 2003

Docket:

17048

For:

SEPARATION OF SUGARS

Dated:

December 16, 2003

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, it is requested that the seventeen (17) references, which are listed on the attached Form PTO-1449, be made of record in the above-identified case.

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on December 16, 2003.

Dated: December 16, 2003

Leslie S. Szivos, Ph.D.

7 ANSMITTAL O	Docket No. 17048								
n Re Application Of: Juho Jumppanen, et al.									
Serial No. 10/670,094	Filing Date September 24, 2003	Examiner Unassigned	Group Art Unit Unassigned						
Title: SEPARATION OF SUGARS									
	Commiss P.O	idress to: ioner for Patents). Box 1450 a, VA 22313-1450							
	37 C	FR 1.97(b)							
of a national ap three months of application; befo	Disclosure Statement submitted oplication other than a continued of the date of entry of the national ore the mailing of a first Office Ac filing of a request for continued expenses.	prosecution application under stage as set forth in 37 CFR tion on the merits, or before t	er 37 CFR 1.53(d); within R 1.491 in an international he mailing of a first Office						
	37 C	FR 1.97(c)							
CFR 1.97(b), pi Final Action un	n Disclosure Statement submitted rovided that the Information Discurder 37 CFR 1.113, a Notice of sprosecution in the application, a	losure Statement is filed bef f Allowance under 37 CFR	ore the mailing date of a 1.311, or an Action that						
☐ the stater	ment specified in 37 CFR 1.97(e);		·						
	OR								
☐ the fee se	et forth in 37 CFR 1.17(p).								
	•								
			·						

	F INFORMATION DISCLO Inder 37 CFR 1.97(b) or 1.97		Docket No. 17048				
In Re Application: J	uho Jumppanen, et al.	1 8 2003					
Serial No.	Filing Date	Examiner	Group Art Unit				
10/670,094	September 24, 2003	Unassigned	Unassigned				
SEPARATION OF	SUGARS						
	Payı	ment of Fee					
	(Only complete if Applicant ele	ects to pay the fee set forth in 37 CFR	1.17(p))				
□ A check in the amount of is attached. □ The Director is hereby authorized to charge and credit Deposit Account No. 19-1013/SSMP as described below. □ Charge the amount of □ Credit any overpayment. □ Charge any additional fee required. Certificate of Transmission by Facsimile* □ Certificate of Transmission by Facsimile* □ Certificate of Mailing by First Class Mail □ Certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States □ Certify that this document and fee is being deposited on 12/16/2003 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. □ Charge any additional fee required. □ Certificate of Mailing by First Class Mail □ I certify that this document and fee is being deposited on 12/16/2003 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. □ Signature of Person Mailing Correspondence Leslie S. Sztvos, Ph.D. □ Typed or Printed Name of Person Mailing Certificate							
1		Dated: December 16, 2003					
cc:							

INFORMATION AND CONTROL CITATION					Docket Number (Optional) 17048		Application Number 10/670,094			
· INFO	ORMA (Us	ATION DISCEOSUR se several sheets if the	E CITATION (cessary)		Applicant(s)	Juho Jun	nppannen			
		DEC 1 9 2003	Filing Date September 24, 2003 Group Art Unit unass					nassigned		
		March at C	U	.S. PATENT	T DOCUMENTS					
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
		3,240,775	3/15/66	Richar	rd G. Schweiger					
		4,772,334	9/20/88	Hatana	aka, et al.					
			1							
	<u> </u>			 						
				1						
	<u> </u>		<u> </u>	<u> </u>						
	<u> </u>		!							
				<u> </u>						
			FOR'	EIGN PATE	ENT DOCUMENTS					
	REF	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO		
		63027496	2/5/88	JAPAN				ABSTRACT		
		102535	3/14/84	EPO				ABSTRACT		
		WO 02/27039	4/4/02	PCT				Х .		
	<u> </u>		!	<u> </u>			!			
		OTHE	T POCUMENTS	a-1-ding	Author, Title, Date, Pertinent	T - Esa)				
1		Merck Index, T				Pages, Etc.)				
		physiological	role, chem	mical, e	. Vandamme, "Rev enzymatic and mid 7 (1999), p. 483	crobial	synthesis			
EXAMINER					DATE CONSIDERED					
EXAMINER: In considered. Inc	aitial if c lude cor	citation considered, whether py of this form with next co	er or not citation i	s in conform	nance with MPEP 609; Draw	line through	citation if not in	conformance and not		

Applicants are submitting copies of the cited references.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. § 1.97(b), no statement or fee is required.

Respectfully submitted,

Leslie S. Szivos, Ph.D. Registration No. 39,394

Scully, Scott, Murphy & Presser 400 Garden City Plaza Garden City, New York 11530 (516) 742-4343

LSS/sf

Enclosures PTO 1449

Seventeen (17) references

INFORMATION DESPITE SURE CITATION				Docket Number (Optional) Application 17048			on Number 10/670,094		
, HAL	(Us	se several sheets if he	ssary)		Applicant(s)	Juho Jum	ppannen		
	DEC 1 9 2003 W				Filing Date September 24, 20	003	Group Art Unit	nassigned	
		III o	U.	.S. PATENT	DOCUMENTS				
*EXAMINER INITIAL	ref	DOCUMBET RAMBER	DATE		NAME	CLASS	SUBCLASS	FILING IF APPRO	
									·
				-					
				-				,	
				 					
				<u> </u>					
			FOR	ELCN DATE	CAUT DOCUMENTS				
		Т	TUR	EIGN PAIL	ENT DOCUMENTS		T	TRANSL	
	REF	DOCUMENT NUMBER	DATE		COUNTRY		SUBCLASS	YES	NO
								х	
								x	
		OTHER	= = = = = = = = = = = = = = = = = = =	<u></u>				<u> </u>	
					Author, Title, Date, Pert				·
		Rombouts, F.M., pulp", Carbohyo	irate Rese	earch, p	oylated pecti op. 154, 177-	187, (1986)	s from sug	jar-beet	•
		Derevitskaya, N separation of ((1975), 223(5)	complex mi	ixtures	e of anion-ex of oligosacc	change chron harides", <u>Do</u>	matography okl. Akad	y for th	ie SSSR,
EXAMINER					DATE CONSIDERE				
EXAMINER: In considered. Inc	nitial if c lude cop	citation considered, whether by of this form with next con	or not citation is nmunication to a	s in conform applicant.	ance with MPEP 609;	Draw line through o	itation if not in	conformance	and not

INFORMATION DISCHOSURE CITATION (Use several sheets in necessary) DEC 1 9 7000				Docket Number (Optional) 17048		Application Number 10/670,094				
				Applicant(s) Juho Jumppannen						
				Filing Date September 24, 2003	3	Group Art Unit	nassigned			
		The same	U.	.S. PATENT	DOCUMENTS					
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
					, <u> </u>					
					, , , ,					
			:							
			FOR	EIGN PATE	ENT DOCUMENTS					
	REF	DOCUMENT NUMBER	DATE		COUNTRY CLASS	SUBCLASS	TRANSL	NO NO		
								x		
	•							х		
					uthor, Title, Date, Pertino	=				
		Simatupang, M.H. monosaccharides 588-91 (1979).	I., "Ion-e and uror	exchange	e chromatograph ds", <u>Journal o</u>	hy of some f Chromato	neutral graphy, 1'	78(2), p	p.	
	Balaghova, D. et al., "Changes of the saccharide portion of maple wood in the course of prehydrolysis", <u>Vybrane Procesy Chem. Spracovani Dreva</u> , pp. 187-192 (1996).									
EXAMINER					DATE CONSIDERED					
EXAMINER: In considered. Inc	itial if c	itation considered, whether y of this form with next con	or not citation is nmunication to a	s in conform applicant.	ance with MPEP 609; D	raw line through c	itation if not in	conformance	and not	

INFORMATION DISCLOSURECES TION (Use several sheet Of necessary)				Docket Number (Optional) 17048		Application Number 10/670,094			
				Applicant(s) Juho Jumppannen					
DE 1 3 MO					Filing Date September 24, 200	3	Group Art Unit	nassigned	- 19
				S. PATENT	DOCUMENTS				- V
*EXAMINER INITIAL	ref	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING IF APPRO	
_									
							(- L		TΗ
			1				- 0		
			<u> </u>						
			FORF	EIGN PATE	ENT DOCUMENTS				
	REF	DOCUMENT NUMBER	DATE		COUNTRY	CTASS	CERCI ACC	TRANSLA	ATION
	TAN	DOCUMENT NORDER	DATE		COUNTRY	CLASS	SUBCLASS	YES	NO
								x	
								×	
		OTHER	DOCUMENTS ((Including A	uthor, Title, Date, Pertin	ent Pages. Etc.)			
		Defaye, J., et Carbohydrate Re	al., "An	efficie	ent synthesis	• .	e and L-(4- ² H) fuc	cose",
		Gesson, JP., Mannose", <u>Tetra</u>	et al. "A thedon Let	Short ters, \	Synthesis of 70. 33, No. 25	L-Fucose and pp. 3637	nd Analogs -3640 (19	s from D	
EXAMINER				-	DATE CONSIDERED				
EXAMINER: In considered. Inc	titial if c lude cop	citation considered, whether by of this form with next com	or not citation is amunication to a	in conform pplicant.	ance with MPEP 609; D	raw line through o	itation if not in	conformance a	and not

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Docket Number (Opti	ional) 048	Application Number 10/670,094			
				Applicant(s) Juho Jumppannen					
	(2003	Group Art Unit U	nassigned	
		E.	U	.S. PATENT	DOCUMENTS				
*EXAMINER INITIAL	REF	DOCUMENT NUMB	DATE DATE		NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
									
					· · · · · · · · · · · · · · · · · · ·				·-··
					2 11 12 21				
<u></u>									
			FOR	EIGN PATE	ENT DOCUMENTS		<u> </u>		
	REF	DOCUMENT NUMB	ER DATE			CLASS	GT.100	TRANSLATION	
	KEE	DOCUMENT NOME	DAID -		COUNTRY	CLASS	SUBCLASS	YES	NO
								x	
		Oï	THER DOCUMENTS	(Including A	uthor, Title, Date, Pe	ertinent Pages, Etc.)	<u> </u>		
		Dejter-Jusz <u>Research</u> , 2	unski, Marta, 8(1), pp. 144	et al	., "Synthesi 73).	s of L-fucos	e", <u>Carbol</u>	nydrate	
	2	into carboh	, et al., "In ydrate chemis Carbohydr. (stry. A	An efficient	conversion of	oxidation of D-gala	proceductose in	re to L-
EXAMINER	37.				DATE CONSIDER	RED		***	
EXAMINER: In considered. Inc	nitial if c	itation considered, wl y of this form with ne	nether or not citation i	s in conform	ance with MPEP 609	; Draw line through o	citation if not in	conformance	and not

				Docket Number (Optio		Application Number 10/670,094			
INF	ORMA (Us	ATION DISCLOPUTE se several mods if neces	SCITATION	4	Applicant(s)	Juho Jum	ppannen		
DEC 1 9 5003 M					Filing Date September 24, 20	003	Group Art Unit U	ı ınassigned	
		18.		U.S. PATENT	DOCUMENTS	*			
*EXAMINER INITIAL	REF	DOCUMENT NO TRABE	DATE		NAME	CLASS	SUBCLASS	FILING IF APPRO	
	ı	T	FOF	REIGN PATE	ENT DOCUMENTS		1	TRANSLA	TON
	REF	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	YES	NO
								х	
								x	
								1	
				-					
		OTHER	DOCUMENTS	S (Including)	Author, Title, Date, Per	rtinent Pages, Etc.)		<u> </u>	
		Sabrajna, Sumit Carbohydr. Res.	a, et al _, pp. 27	., "A no	ovel synthesi 6 (1965).	is of L-fucos	se from D	-galactos	;е",
		Wong, C., et al Chem., 60:7360-			ynthesis of I	-Fructose an	nd Analog	s" J. Org	J •
EXAMINER					DATE CONSIDER	ED	,27		
EXAMINER: In considered. Inc	nitial if c	citation considered, whether py of this form with next con	or not citation nmunication to	is in conform applicant.	nance with MPEP 609;	; Draw line through c	itation if not in	conformance a	nd not